REMARKS

Claims 1-48, 61 and 62 are pending. By this response, claims 61 and 62 are added. Reconsideration and allowance based on the above-amendments and following remarks are respectfully requested.

The Office Action rejects claims 1-48 under 35 U.S.C. §102(b) as being anticipated by Bracho (US 5,974,417). This rejection is respectfully traversed. The Office Action alleges that Bracho teaches each and every feature of applicant's independent claims 1, 9, 17, 25, 33 and 41. Applicants respectfully disagree.

In embodiments of applicant's invention, a network switch includes a plurality of line modules in which the line module includes therein a communication coordinator. The communication coordinator in a line module receives subscription requests. A control module connected to the line module accesses information related to the subscription request and determines whether a particular event name constitutes a match for an event expression received in the subscription request.

The Office Action alleges that the "hub", as illustrated in Fig. 5 of Bracho, provides the plurality of line modules, communication coordinator and control module as claimed. Applicants respectfully disagree.

The hub in Bracho includes a client manager 510, event manager 512, preprocessed block 514, storage 516, match block 518, remote administrator 520 and memory 690. The information is provided to the hub via the event queues 502 and 504. In the hub, the event manager receives subscription requests and manages the routings and new connections for the subscription. The

match block adds the routing information to the event, filters the events and routes events to the appropriate hubs. See column 10, lines 20-40.

First, applicants respectfully submit that Bracho does not teach a plurality of line modules within the hub. Information is received in the hub via the event queues 502 and 504. The event queues are not line modules as claimed in the present invention.

Second, Bracho fails to teach or suggest a communication coordinator within a line module which receives publications and subscription requests. In Bracho, the event manager receives subscription information. Even if the event manager could be considered as a communication coordinator, which applicant contends it cannot, the event manager is not located within a line module as claimed in embodiments of the present invention.

Finally, Bracho fails to teach a control module connected to a line module that determines if a particular event name matches the event expression in the subscription request. In Bracho, the match filter 518 performs the routing of events with subscribers. See column 10, lines 29-32 and column 14, lines 21-67. The match filter is not connected to a line module to receive information therefrom. The match filter receives information from the queues 502 and 504. See column 14, lines 21-23.

Thus, if the queues could be considered as applicant's claimed line module, which applicant contends it cannot, the queues do not include a communication coordinator to receive publication and subscription requests for processing. In Bracho, receipt of publication and subscription request is performed by the event manager. Likewise, if the match filter could be considered as applicant's claimed control module, which applicant's contend it cannot, the match

filter is not connected to a plurality of line modules which include a communication coordinator as claimed.

Thus, in view of the above, applicants respectfully submit that a §102 rejection cannot be maintained in view of Bracho as Bracho fails to teach each feature as applicant's claims as required.

Specifically, Bracho fails to teach, *inter alia*, receiving a subscription request by a communication coordinator with then one of a plurality of line modules to receive publications made to one or more event names, said subscription request comprising an event expression that includes a name space that could be correlated to a plurality of different event names, and accessing within a control module connected to said plurality of line modules a set of information pertaining to a publisher, said information comprising a particular event name to which said publisher publishes, as recited in claim 1.

Bracho fails to teach, *inter alia*, receiving by communication coordinator within one of a plurality of line modules a publication announcement indicating a desire to publish to a particularly event name, and accessing within a control module connected to said plurality of line modules a set of information pertaining to a subscriber, said information comprising an event expression which may be resolved to match a plurality of different event names, as recited in claim 9.

Bracho fails to teach, *inter alia*, a communication coordinator for receiving a subscription request within a line module to receive publications made to one or more event names, said subscription request comprising an event expression that includes a name space that can be correlated to a plurality of different event names, a name space server located within a control

module for accessing a set of information pertaining to a publisher, said information comprising a particular event name to which said publisher publishes, as recited in claim 17.

Bracho fails to teach, *inter alia*, communication coordinator located within a line module for receiving a publication announcement indicating a desire to publish to a particular event name and a name space server located within a control module for accessing a set of information pertaining to a subscriber said information comprising an event expression which may be resolved to match a plurality of different event names, as recited in claim 25.

Bracho fails to teach, *inter alia*, instructions by communication coordinator for causing one or more processors within one of a plurality of line modules to receive a subscription request to receive publications made to one or more event names, said subscription request comprising an event expression which may be resolved to match a plurality of different event names, instructions for causing one or more processors within a control module connected to said plurality of line modules to access a set of information pertaining to a publisher, said information comprising a particular event name to which said publisher publishes, as recited in claim 33.

Bracho fails to teach, *inter alia*, instructions by a communication coordinator for causing one or more processors within one of a plurality of line modules to receive a publication announcement indicating a desire to publish to a particular event name; and instructions for causing one or more processors within a control module to access a set of information pertaining a subscriber, said information comprising an event expression which may be resolved to match a plurality of different event names, as recited in claim 41.

In view of the above, applicant's respectfully submit that Bracho fails to teach each and every feature of independent claims 1, 9, 17, 25, 33 and 41. Dependent claims 2-8, 10-16,18-24,

26-32, 34-40 and 42-50 are also distinguishable over Bracho for the above reasons as well as for

the additional features they recite. Therefore, reconsideration and withdrawal of the rejection are

respectfully requested.

Conclusion

For at least these reasons, it is respectfully submitted that claims 1-48 are distinguishable

over the cited art. Favorable consideration and prompt allowance are earnestly solicited.

Should there be any outstanding matters that need to be resolved in the present

application, the Examiner is respectfully requested to contact Chad J. Billings (Reg. No. 48,917)

at the telephone number of the undersigned below, to conduct an interview in an effort to

expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies,

to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional

fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Dated: September 13, 2005   Respectfully submitted,

                                              By
                                              Michael R. Cammarata
                                              Registration No.: 39,491
                                              BIRCH, STEWART, KOLASCH & BIRCH, LLP
                                              8110 Gatehouse Rd
                                              Suite 100 East
                                              P.O. Box 747
                                              Falls Church, Virginia 22040-0747
                                              (703) 205-8000